

# Lukasz Laskowski

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8342642/publications.pdf>

Version: 2024-02-01

59  
papers

704  
citations

566801

15  
h-index

676716

22  
g-index

59  
all docs

59  
docs citations

59  
times ranked

578  
citing authors

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 1  | Mesoporous Silica-Based Materials for Electronics-Oriented Applications. <i>Molecules</i> , 2019, 24, 2395.  | 1.7 | 59        |
| 2  | All That Glitters Is Not Silver—A New Look at Microbiological and Medical Applications of Silver Nanoparticles. <i>International Journal of Molecular Sciences</i> , 2021, 22, 854.  | 1.8 | 42        |
| 3  | Hybrid Core–Shell Nanocomposites Based on Silicon Carbide Nanoparticles Functionalized by Conducting Polyaniline: Electron Paramagnetic Resonance Investigations. <i>Journal of Physical Chemistry C</i> , 2007, 111, 11544-11551.             | 1.5 | 39        |
| 4  | A novel hybrid-maximum neural network in stereo-matching process. <i>Neural Computing and Applications</i> , 2013, 23, 2435-2450.  | 3.2 | 31        |
| 5  | Functionalization of SBA-15 mesoporous silica by Cu-phosphonate units: Probing of synthesis route. <i>Journal of Solid State Chemistry</i> , 2014, 220, 221-226.   | 1.4 | 30        |
| 6  | Mesoporous silica SBA-15 functionalized by nickel phosphonic units: Raman and magnetic analysis. <i>Microporous and Mesoporous Materials</i> , 2014, 200, 253-259.   | 2.2 | 28        |
| 7  | Dynamics of Pyrrolidinium-Based Ionic Liquids under Confinement. II. The Effects of Pore Size, Inner Surface, and Cationic Alkyl Chain Length. <i>Journal of Physical Chemistry C</i> , 2020, 124, 5395-5408.                                  | 1.5 | 24        |
| 8  | Functionalized mesoporous silica thin films as a tunable nonlinear optical material. <i>Nanoscale</i> , 2017, 9, 12110-12123.  | 2.8 | 22        |
| 9  | Dielectric relaxation of (N(C <sub>2</sub> H <sub>5</sub> ) <sub>4</sub> ) <sub>2</sub> CoCl <sub>2</sub> Br <sub>2</sub> nanocrystallites incorporated into the PMMA matrix. <i>Journal of Non-Crystalline Solids</i> , 2007, 353, 4353-4356. | 1.5 | 18        |
| 10 | New Class of Antimicrobial Agents: SBA-15 Silica Containing Anchored Copper Ions. <i>Journal of Nanomaterials</i> , 2017, 2017, 1-12.  | 1.5 | 18        |
| 11 | Carbon-Supported Noble-Metal Nanoparticles for Catalytic Applications—A Review. <i>Crystals</i> , 2022, 12, 584.   | 1.0 | 18        |
| 12 | Multi-step functionalization procedure for fabrication of vertically aligned mesoporous silica thin films with metal-containing molecules localized at the pores bottom. <i>Microporous and Mesoporous Materials</i> , 2019, 274, 356-362.     | 2.2 | 17        |
| 13 | Effect of Surface Modification on the Glass Transition Dynamics of Highly Polar Molecular Liquid S-Methoxy-PC Confined in Anodic Aluminum Oxide Nanopores. <i>Journal of Physical Chemistry C</i> , 2019, 123, 13365-13376.                    | 1.5 | 16        |
| 14 | SBA-15 mesoporous silica activated by metal ions—Verification of molecular structure on the basis of Raman spectroscopy supported by numerical simulations. <i>Journal of Molecular Structure</i> , 2015, 1100, 21-26.                         | 1.8 | 15        |
| 15 | Effect of Surface Chemistry on the Glass-Transition Dynamics of Poly(phenyl methyl siloxane) Confined in Alumina Nanopores. <i>Langmuir</i> , 2020, 36, 7553-7565.   | 1.6 | 15        |
| 16 | Nanocomposite for photonics—Nickel pyrophosphate nanocrystals synthesised in silica nanoreactors. <i>Microporous and Mesoporous Materials</i> , 2020, 306, 110435.   | 2.2 | 15        |
| 17 | Hybrid-Maximum Neural Network for Depth Analysis from Stereo-Image. <i>Lecture Notes in Computer Science</i> , 2010, , 47-55.  | 1.0 | 15        |
| 18 | Evolutionary Algorithm with a Configurable Search Mechanism. <i>Journal of Artificial Intelligence and Soft Computing Research</i> , 2020, 10, 151-171.  | 3.5 | 15        |

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 19 | Pyridine Derivativesâ€”A New Class of Compounds That Are Toxic to E. coli K12, R2â€”R4 Strains. <i>Materials</i> , 2021, 14, 5401.  | 1.3 | 14        |
| 20 | Spin-glass Implementation of a Hopfield Neural Structure. <i>Lecture Notes in Computer Science</i> , 2014, , 89-96.   | 1.0 | 14        |
| 21 | Dielectric and EPR investigations of stoichiometry and interface effects in silicon carbide nanoparticles. <i>Journal of Physics Condensed Matter</i> , 2006, 18, 1143-1155.                                    | 0.7 | 13        |
| 22 | Resonance dielectric dispersion of TEA-CoCl <sub>2</sub> Br <sub>2</sub> nanocrystals incorporated into the PMMA matrix. <i>Journal of Physics Condensed Matter</i> , 2008, 20, 365215.                         | 0.7 | 13        |
| 23 | Molecular Approach to Hopfield Neural Network. <i>Lecture Notes in Computer Science</i> , 2015, , 72-78.  | 1.0 | 13        |
| 24 | Relaxation and magnetocaloric effect in the Mn <sub>12</sub> molecular nanomagnet incorporated into mesoporous silica: a comparative study. <i>RSC Advances</i> , 2016, 6, 49179-49186.                         | 1.7 | 13        |
| 25 | The Separation of the Mn <sub>12</sub> Single-Molecule Magnets onto Spherical Silica Nanoparticles. <i>Nanomaterials</i> , 2019, 9, 764.  | 1.9 | 13        |
| 26 | Objects Auto-selection from Stereo-Images Realised by Self-Correcting Neural Network. <i>Lecture Notes in Computer Science</i> , 2012, , 119-125.   | 1.0 | 13        |
| 27 | Magnetic behaviour of Mn <sub>12</sub> -stearate single-molecule magnets immobilized inside SBA-15 mesoporous silica matrix. <i>Journal of Magnetism and Magnetic Materials</i> , 2019, 478, 20-27.             | 1.0 | 12        |
| 28 | Surface functionalization by silver-containing molecules with controlled distribution of functionalities. <i>Applied Surface Science</i> , 2019, 481, 433-436.  | 3.1 | 12        |
| 29 | A Novel Continuous Dual Mode Neural Network in Stereo-Matching Process. <i>Lecture Notes in Computer Science</i> , 2010, , 294-297.   | 1.0 | 12        |
| 30 | How to Control the Distribution of Anchored, Mn <sub>12</sub> â€”Stearate, Single-Molecule Magnets. <i>Nanomaterials</i> , 2019, 9, 1730.   | 1.9 | 10        |
| 31 | Nanostructured Silica with Anchoring Units: The 2D Solid Solvent for Molecules and Metal Ions. <i>International Journal of Molecular Sciences</i> , 2020, 21, 8137.   | 1.8 | 10        |
| 32 | SBA-15 mesoporous silica free-standing thin films containing copper ions bounded via propyl phosphonate units - preparation and characterization. <i>Journal of Solid State Chemistry</i> , 2016, 241, 143-151. | 1.4 | 9         |
| 33 | Magnetic Behaviour of Mn <sub>12</sub> -Stearate Single-Molecule Magnets Immobilized on the Surface of 300 nm Spherical Silica Nanoparticles. <i>Materials</i> , 2020, 13, 2624.                                | 1.3 | 9         |
| 34 | An Algorithm for the Evolutionary-Fuzzy Generation of on-Line Signature Hybrid Descriptors. <i>Journal of Artificial Intelligence and Soft Computing Research</i> , 2020, 10, 173-187.                          | 3.5 | 9         |
| 35 | Iron Doped SBA-15 Mesoporous Silica Studied by MÃ¶ssbauer Spectroscopy. <i>Journal of Nanomaterials</i> , 2016, 2016, 1-6.  | 1.5 | 7         |
| 36 | Environmental and industrial developments in radiation cataractogenesis. <i>International Journal of Radiation Biology</i> , 2022, 98, 1074-1082.   | 1.0 | 6         |

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 37 | Ab initio studies for characterization and identification of nanocrystalline copper pyrophosphate confined in mesoporous silica. <i>Nanotechnology</i> , 2021, 32, 415701.  | 1.3 | 6         |
| 38 | Effects of shape on magnetization switching in systems of magnetic elongated nanoparticles. <i>Journal of Magnetism and Magnetic Materials</i> , 2022, 545, 168685.   | 1.0 | 6         |
| 39 | Magnetic behaviour of nickel-cyclam complexes in mesoporous silica: EPR investigations. <i>Journal of Physics Condensed Matter</i> , 2009, 21, 076004.  | 0.7 | 5         |
| 40 | Vertically aligned porous silica thin films functionalized by nickel chloride incorporated in walls. <i>Microporous and Mesoporous Materials</i> , 2019, 276, 201-206.  | 2.2 | 5         |
| 41 | Synthesis in Silica Nanoreactor: Copper Pyrophosphate Quantum Dots and Silver Oxide Nanocrystallites Inside Silica Mezochannels. <i>Materials</i> , 2020, 13, 2009.   | 1.3 | 5         |
| 42 | Self-Correcting Neural Network for Stereo-matching Problem Solving. <i>Fundamenta Informaticae</i> , 2015, 138, 457-482.  | 0.3 | 4         |
| 43 | Influence of the Copper-Containing SBA-15 Silica Fillers on the Mechanical Properties of High Density Polyethylene. <i>Journal of Nanomaterials</i> , 2016, 2016, 1-8.  | 1.5 | 4         |
| 44 | Aging effect on the magnetic properties of Mn <sup>12</sup> -stearate single-molecule magnets anchored onto the surface of spherical silica nanoparticles. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2020, 261, 114670. | 1.7 | 4         |
| 45 | Synthesis of Vertically Aligned Porous Silica Thin Films Functionalized by Silver Ions. <i>International Journal of Molecular Sciences</i> , 2021, 22, 7505.  | 1.8 | 4         |
| 46 | Effect of the Surface Polarity, Through Employing Nonpolar Spacer Groups, on the Glass-Transition Dynamics of Poly(phenyl methylsiloxane) Confined in Alumina Nanopores. <i>Macromolecules</i> , 0, , .   | 2.2 | 4         |
| 47 | Extensions of Hopfield Neural Networks for Solving of Stereo-Matching Problem. <i>Lecture Notes in Computer Science</i> , 2015, , 59-71.  | 1.0 | 3         |
| 48 | AC Susceptibility Studies of Magnetic Relaxation in Mn <sup>12</sup> -Stearate SMMs on the Spherical Silica Surface. <i>Magnetochemistry</i> , 2021, 7, 122.  | 1.0 | 3         |
| 49 | Structure and Properties of Copper Pyrophosphate by First-Principle Calculations. <i>Materials</i> , 2022, 15, 842.   | 1.3 | 3         |
| 50 | The Concept of Molecular Neurons. <i>Lecture Notes in Computer Science</i> , 2016, , 494-501.   | 1.0 | 2         |
| 51 | System for Independent Living – New Opportunity for Visually Impaired. <i>Lecture Notes in Computer Science</i> , 2012, , 645-652.  | 1.0 | 2         |
| 52 | Spherical Silica Functionalized by 2-Naphthalene Methanol Luminophores as a Phosphorescence Sensor. <i>International Journal of Molecular Sciences</i> , 2021, 22, 13289.   | 1.8 | 2         |
| 53 | Synthesis and optical behaviour of mesoporous silica functionalized by organometallic molecules. <i>Journal of Physics: Conference Series</i> , 2011, 289, 012024.  | 0.3 | 1         |
| 54 | Porous Silica-Based Optoelectronic Elements as Interconnection Weights in Molecular Neural Networks. <i>Lecture Notes in Computer Science</i> , 2018, , 130-135.  | 1.0 | 1         |

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 55 | A Low-Dimensional Layout of Magnetic Units as Nano-Systems of Combinatorial Logic: Numerical Simulations. <i>Materials</i> , 2021, 14, 2974.            | 1.3 | 1         |
| 56 | Some Aspects of Neural Network State Variable Estimator Improvement in Induction Motor Drive. <i>Lecture Notes in Computer Science</i> , 2013, , 88-95. | 1.0 | 0         |
| 57 | Associative Memory Idea in a Nano-Environment. <i>Lecture Notes in Computer Science</i> , 2016, , 535-545.  | 1.0 | 0         |
| 58 | Porous Silica Templated Nanomaterials for Artificial Intelligence and IT Technologies. <i>Lecture Notes in Computer Science</i> , 2017, , 509-517.      | 1.0 | 0         |
| 59 | Influence of Aging on the Structure and Magnetic Properties of Surface-Deposited Single-Molecule Magnets. <i>Materials Proceedings</i> , 2021, 4, 81.   | 0.2 | 0         |